Docket Number

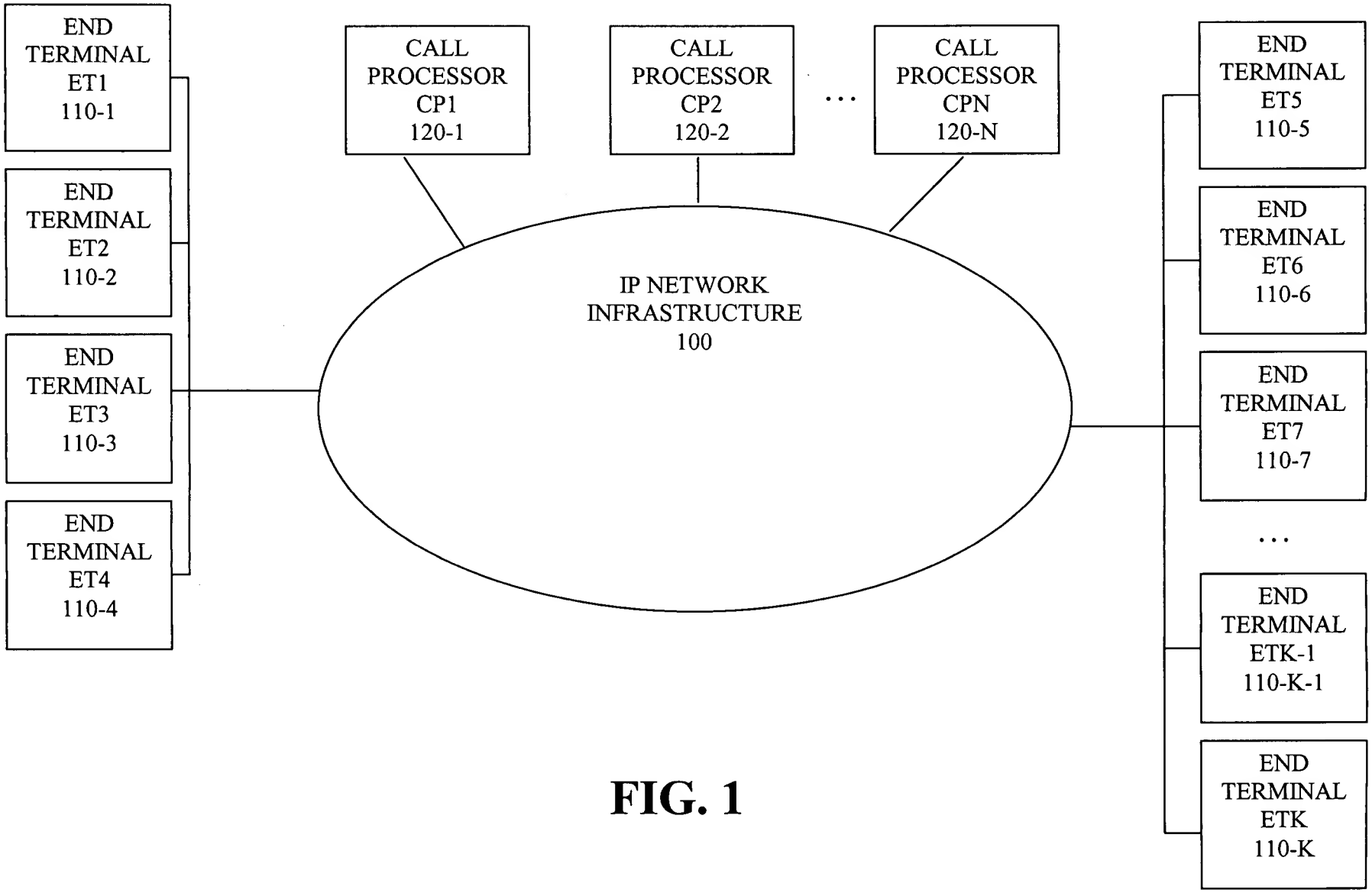

FIG. 1

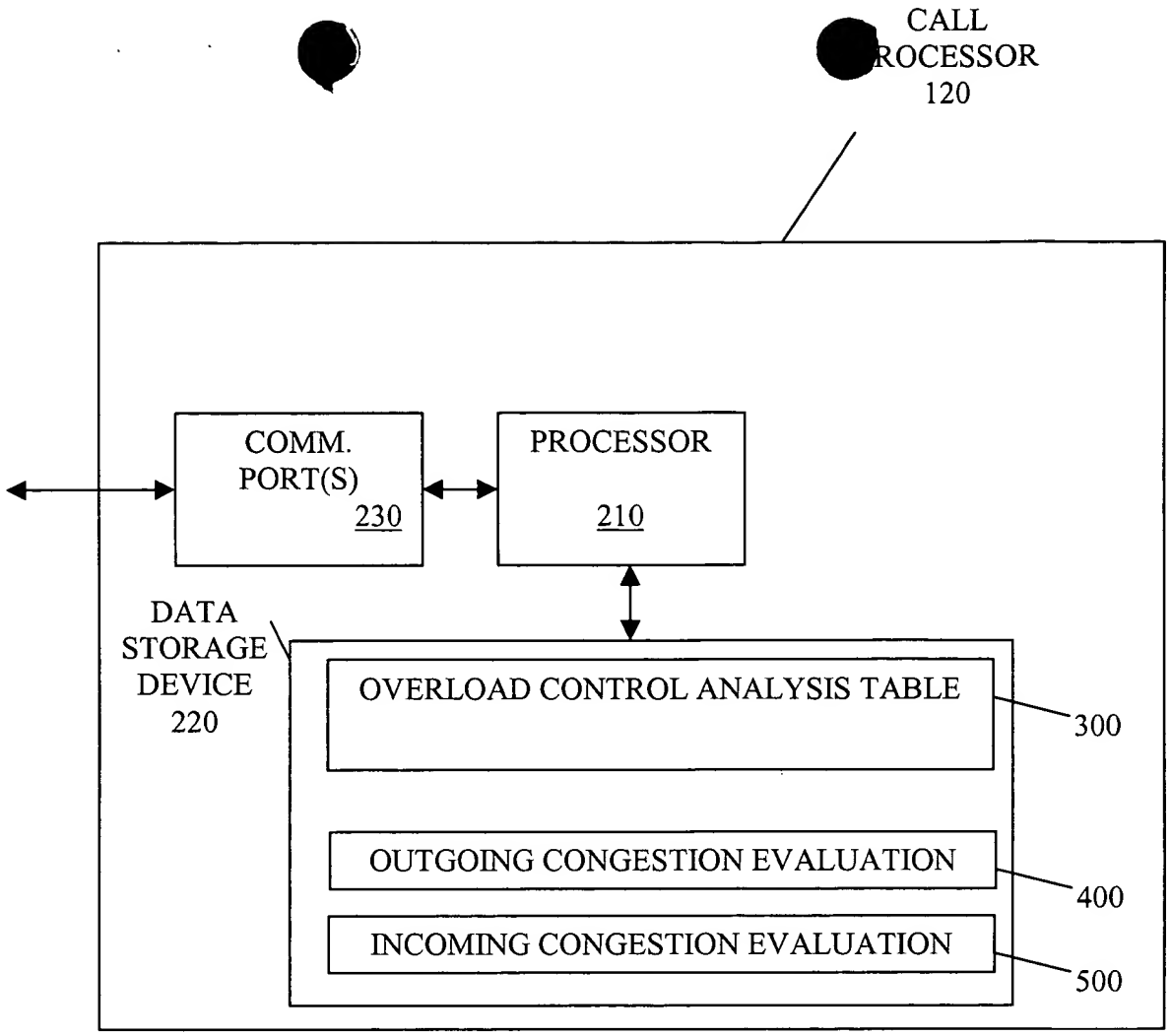

FIG. 2

OVERLOAD CONTROL ANALYSIS TABLE -- 300

	CALL PROCESSOR 340	CONGESTION INDICATOR 345	LAST MESSAGE SENT 350	TIMER 355
305				
310				
315				
320				

FIG. 3

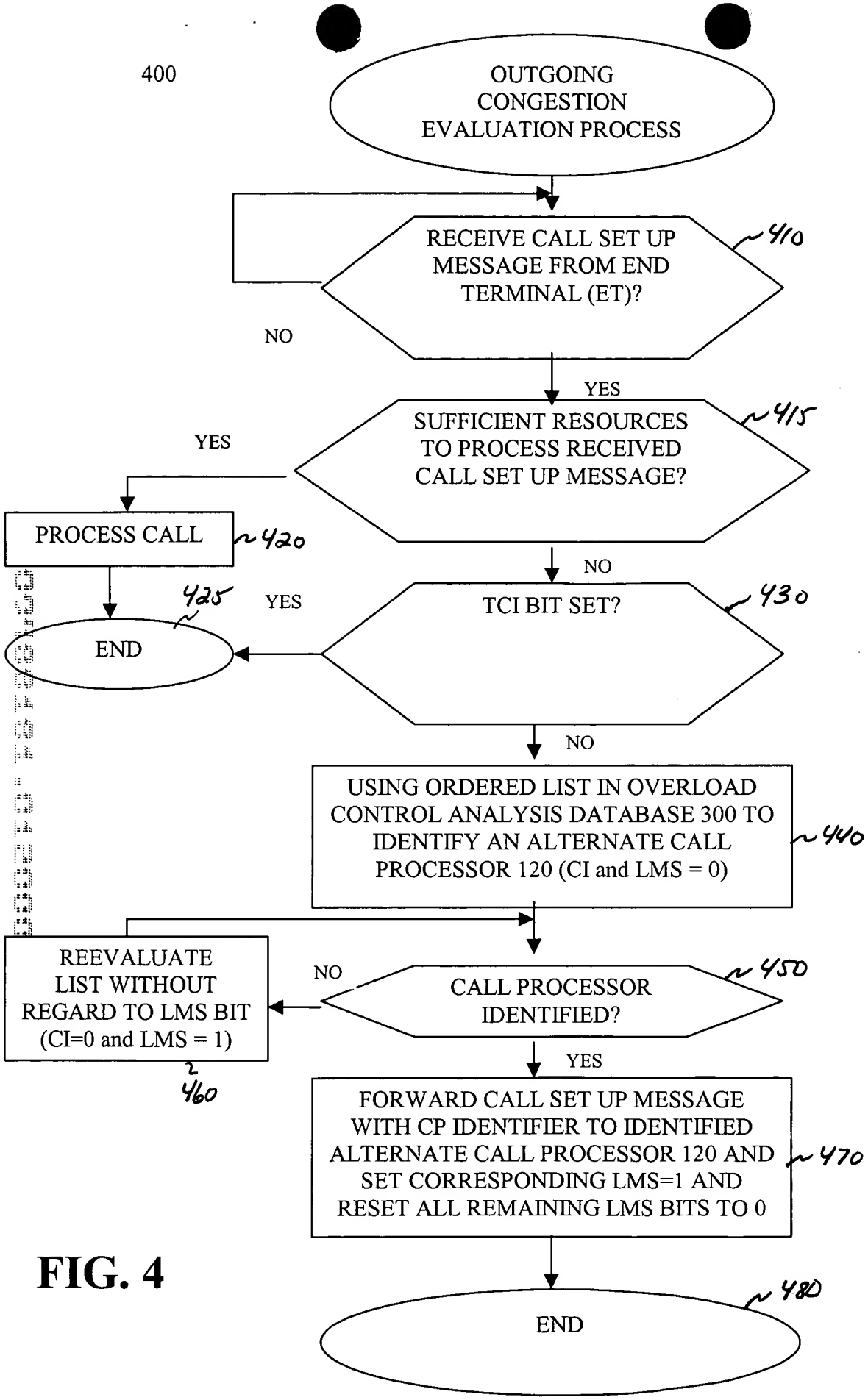
400
OUTGOING CONGESTION EVALUATION PROCESS
RECEIVE CALL SET UP MESSAGE FROM END TERMINAL (ET)?
410
NO
YES
SUFFICIENT RESOURCES TO PROCESS RECEIVED CALL SET UP MESSAGE?
415
YES
PROCESS CALL
420
NO
425
YES
TCI BIT SET?
430
END
NO
USING ORDERED LIST IN OVERLOAD CONTROL ANALYSIS DATABASE 300 TO IDENTIFY AN ALTERNATE CALL PROCESSOR 120 (CI and LMS = 0)
440
REEVALUATE LIST WITHOUT REGARD TO LMS BIT (CI=0 and LMS = 1)
460
NO
CALL PROCESSOR IDENTIFIED?
450
YES
FORWARD CALL SET UP MESSAGE WITH CP IDENTIFIER TO IDENTIFIED ALTERNATE CALL PROCESSOR 120 AND SET CORRESPONDING LMS=1 AND RESET ALL REMAINING LMS BITS TO 0
470
END
480

FIG. 4

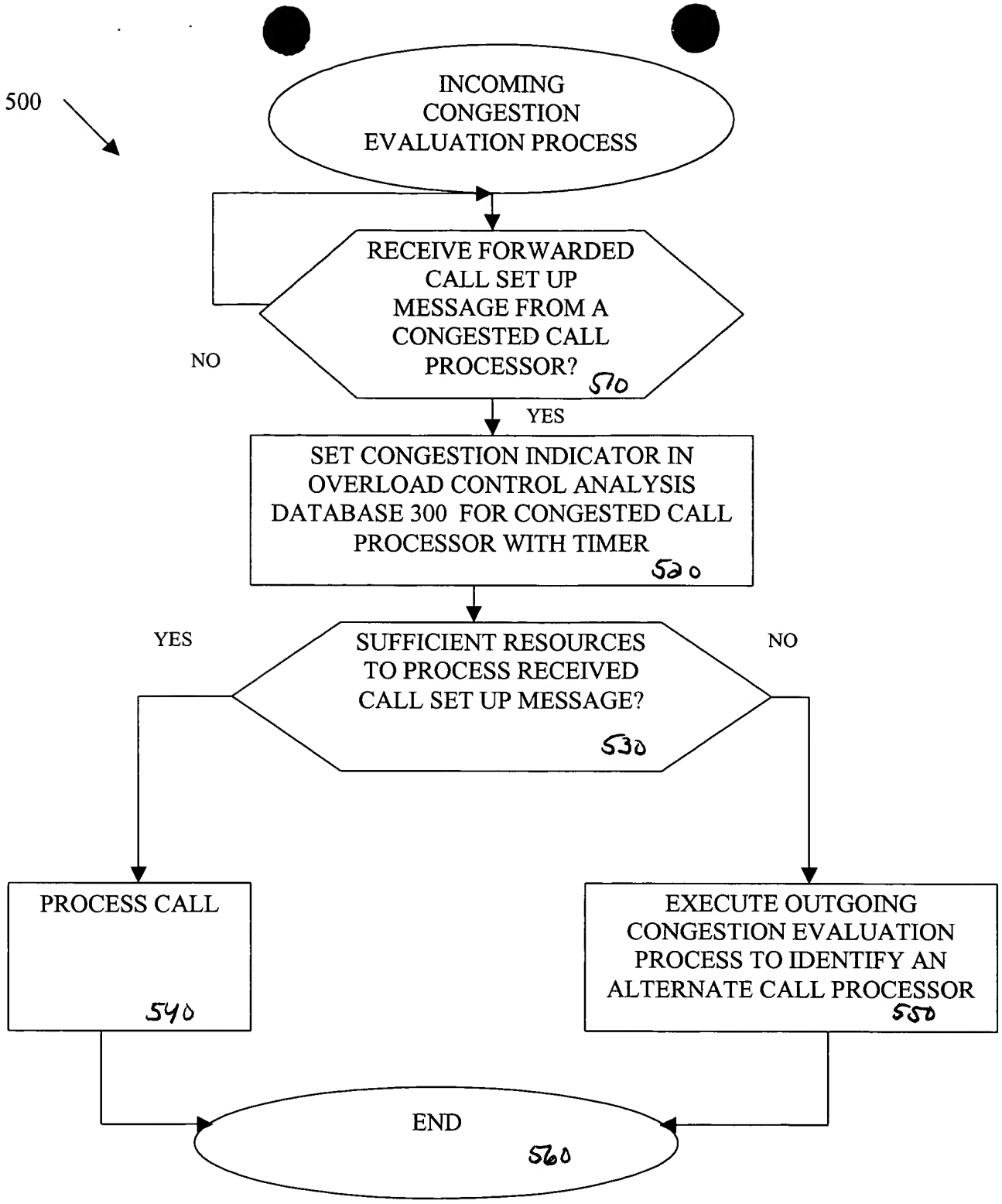
500
INCOMING CONGESTION EVALUATION PROCESS
RECEIVE FORWARDED CALL SET UP MESSAGE FROM A CONGESTED CALL PROCESSOR?
510
NO
YES
SET CONGESTION INDICATOR IN OVERLOAD CONTROL ANALYSIS DATABASE 300 FOR CONGESTED CALL PROCESSOR WITH TIMER
520
YES
SUFFICIENT RESOURCES TO PROCESS RECEIVED CALL SET UP MESSAGE?
530
NO
PROCESS CALL
540
EXECUTE OUTGOING CONGESTION EVALUATION PROCESS TO IDENTIFY AN ALTERNATE CALL PROCESSOR
550
END
560

FIG. 5

CP2	0	1	-
CP3	1	0	2 minutes
CP4	0	0	-
CP5	0	0	-

TCI = 0

FIG. 6A

CP2	0	0	-
CP3	1	0	2 minutes
CP4	0	1	-
CP5	0	0	-

TCI = 0

FIG. 6B

CP5	0	0	-
CP1	0	0	-
CP2	1	0	1 minute
CP3	1	0	2 minutes

FIG. 7A

CP5	0	0	-
CP1	1	0	3 minutes
CP2	1	0	1 minute
CP3	1	0	2 minutes

FIG. 7B

CP2	0	1	-
CP3	1	0	2 minutes
CP4	1	0	2.5 minutes
CP5	1	0	1 minute

TCI = 0

FIG. 8A

CP2	0	1	-
CP3	1	0	2 minutes
CP4	1	0	2.5 minutes
CP5	1	0	1 minute

TCI = 0

FIG. 8B